

Name of Facility

1600 South Second Street Mount Vernon, WA 98273-5202 ph 360.428.1617 fax 360.428.1620 www.nwcleanair.org

Shell, Puget Sound Reported by

Air Operating Permit Excess Emissions Report Form Part II

Tim Figgie

	Refinery			
Date of notification	Jan 30, 2010	Incident type:	Shutdown	
:		breakdown/ upset/s	tartup	
Start Date	Jan 30, 2010	or shutdown Start Time:	16:00 PM	
End Date	Jan 30, 2010	End Time:	23:00 PM	
Process unit or system(s): SRU3				
1 100033 WITE OF SYSTEM (3). SINOS				
Incident Description				
On January30 at approximately 4 PM high SO2 readings occurred on SRU3 during shutdown of				
the unit for maintenance and repair. There was no AAG feed in the unit at the time. The 250-				
PPM SO2 12-hour average limit was exceeded and these emissions are part of normal				
shutdown and are unavoidable.				
Immediate steps taken to limit the duration and/or quantity of excess emissions:				
All AAG feed was routed to SRU4.				
Applicable air operating permit				
term(s): 5.8.15				
Ectimated Commercial	Sciona Dell'Attach	(a):	c (Ectimata):	
Estimated Excess Emissions: Pollutant(s		(s): Pound 76	Pounds (Estimate):	
Based on SO2 CEMS and calculated		/6		
stack flow				
The incident was the result of the following (check all that apply):				
Scheduled equipment startup				
Scheduled equipment shutdown				
Poor or inadequate design Careless, poor, or inadequate operation				
	dequate maintenance	eration		
	oly preventable conditi	on		
Did the facility receive any complaints from the public?				
. , , ,				
Yes (provide details below)				
Did the incident result in the violation of an ambient air quality standard				
⊠ No				
Yes (provid	Yes (provide details below)			
	ibuting causes of incid		-1-	
These emissions are part of normal shutdown and are unavoidable.				

The root cause of the incident was:

Page 2 (The retention of records of all required monitoring data and support information shall be kept for a period of five years from the date of the report as per the WAC regulation (173-401-615)) Identified for the first time Identified as a recurrence (explain previous incident(s) below - provide dates) These emissions are part of normal shutdown and are unavoidable. Are the emissions from the incident exempted by the NSPS or NESHAP "malfunction" definitions below? No Yes (describe below) These emissions are part of normal shutdown and are unavoidable. <u>Definition of NSPS "Malfunction"</u>: Any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or failure of a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. 40 CFR 60.2 <u>Definition of NESHAP "Malfunction"</u>: Any sudden, infrequent, and not reasonably preventable failure of air pollution control and monitoring equipment, process equipment, or a process to operate in a normal or usual manner which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. 40 CFR 63.2 Analyses of measures available to reduce likelihood of recurrence (evaluate possible design, operational, and maintenance changes; discuss alternatives, probable effectiveness, and cost; determine if an outside consultant should be retained to assist with analyses): These emissions are part of normal shutdown and are unavoidable. Description of corrective action to be taken (include commencement and completion dates): See above If correction not required, explain basis for conclusion: See above Attach Reports, Reference Documents, and Other Backup Material as Necessary. This report satisfies the requirements of both NWCAA regulation 340, 341, 342 and the WAC regulation (173-400-107). Is the investigation continuing? ⊠No Yes Is the source requesting additional time for completion of the report? \square No \square Yes Based upon information and belief formed after reasonable inquiry, I certify that the statements and information in this document and all referenced documents and attachments are true, accurate and complete: Prepared By: _ Tim Figgie__ Date: _ Responsible Official or Designee:

Air Operating Permit

Excess Emissions Report Form Part II